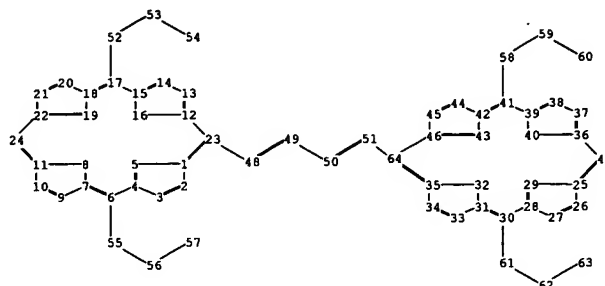
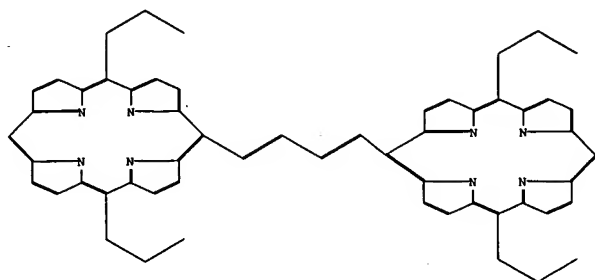


Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	"10715493"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 12:06
S2	29	"715493"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 12:33
S3	3	"6429310"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 12:37
S4	2	"6602998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 12:46
S5	65	porphyrin with array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 12:46
S6	41	porphyrin array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 13:30
S7	246	kobuke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 13:30
S8	15	kobuke same yoshiaki	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 13:34
S9	52	porphyrin dimer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 14:10
S10	2	"2003166921"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2005/03/09 14:11

S11	1	"166921"	US-PGPUB	ADJ	OFF	2005/03/09 14:11
S12	44	therien	US-PGPUB	ADJ	OFF	2005/03/09 14:12
S13	1	"20030166921"	US-PGPUB	ADJ	OFF	2005/03/09 14:41
S14	1	"20030187251"	US-PGPUB	ADJ	OFF	2005/03/09 14:41



chain nodes :

48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
 43 44 45 46 47 64

chain bonds :

6-55 17-52 23-48 30-61 41-58 48-49 49-50 50-51 51-64 52-53 53-54
 55-56 56-57 58-59 59-60 61-62 62-63

ring bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24
 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
 20-21 21-22 22-24 25-26 25-29 25-47 26-27 27-28 28-29 28-30 30-31
 31-32 31-33 32-35 33-34 34-35 35-64 36-37 36-40 36-47 37-38 38-39
 39-40 39-41 41-42 42-43 42-44 43-46 44-45 45-46 46-64

exact/norm bonds :

7-8 8-11 12-16 15-16 31-32 32-35 36-40 39-40

exact bonds :

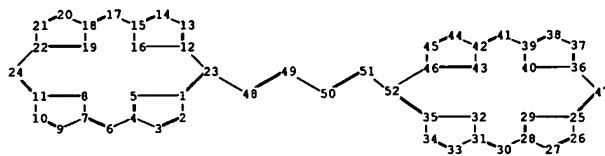
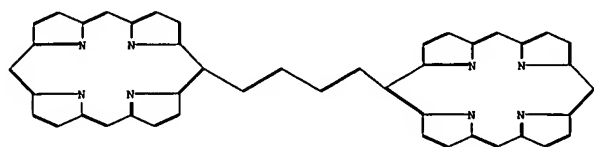
6-55 17-52 23-48 30-61 41-58 48-49 49-50 50-51 51-64 52-53 53-54
 55-56 56-57 58-59 59-60 61-62 62-63

normalized bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-9 9-10 10-11 11-24 12-13 12-23
 13-14 14-15 15-17 17-18 18-19 18-20 19-22 20-21 21-22 22-24 25-26
 25-29 25-47 26-27 27-28 28-29 28-30 30-31 31-33 33-34 34-35 35-64
 36-37 36-47 37-38 38-39 39-41 41-42 42-43 42-44 43-46 44-45 45-46
 46-64

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
 38:Atom



chain nodes :

48 49 50 51

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
43 44 45 46 47 52

chain bonds :

23-48 48-49 49-50 50-51 51-52

ring bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24
12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
20-21 21-22 22-24 25-26 25-29 25-47 26-27 27-28 28-29 28-30 30-31
31-32 31-33 32-35 33-34 34-35 35-52 36-37 36-40 36-47 37-38 38-39
39-40 39-41 41-42 42-43 42-44 43-46 44-45 45-46 46-52

exact/norm bonds :

7-8 8-11 12-16 15-16 31-32 32-35 36-40 39-40

exact bonds :

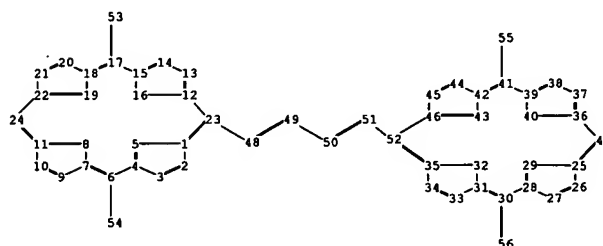
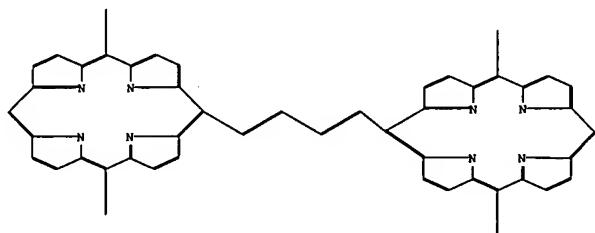
23-48 48-49 49-50 50-51 51-52

normalized bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-9 9-10 10-11 11-24 12-13 12-23
13-14 14-15 15-17 17-18 18-19 18-20 19-22 20-21 21-22 22-24 25-26
25-29 25-47 26-27 27-28 28-29 28-30 30-31 31-33 33-34 34-35 35-52
36-37 36-47 37-38 38-39 39-41 41-42 42-43 42-44 43-46 44-45 45-46
46-52

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom
47:Atom 48:CLASS49:CLASS50:CLASS51:CLASS52:Atom



chain nodes :

48 49 50 51 53 54 55 56

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
 43 44 45 46 47 52

chain bonds :

6-54 17-53 23-48 30-56 41-55 48-49 49-50 50-51 51-52

ring bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24
 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
 20-21 21-22 22-24 25-26 25-29 25-47 26-27 27-28 28-29 28-30 30-31
 31-32 31-33 32-35 33-34 34-35 35-52 36-37 36-40 36-47 37-38 38-39
 39-40 39-41 41-42 42-43 42-44 43-46 44-45 45-46 46-52

exact/norm bonds :

7-8 8-11 12-16 15-16 31-32 32-35 36-40 39-40

exact bonds :

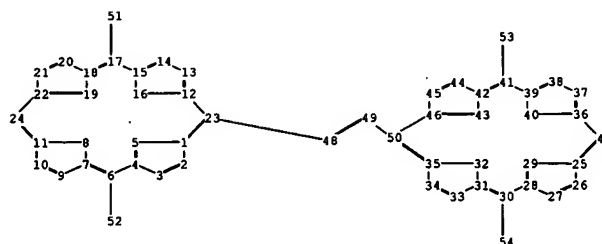
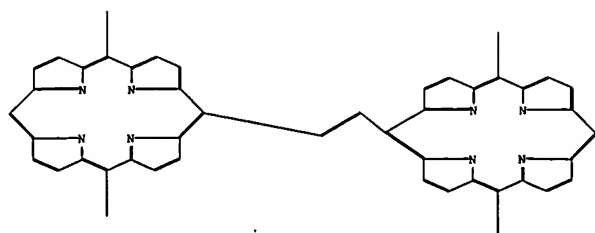
6-54 17-53 23-48 30-56 41-55 48-49 49-50 50-51 51-52

normalized bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-9 9-10 10-11 11-24 12-13 12-23
 13-14 14-15 15-17 17-18 18-19 18-20 19-22 20-21 21-22 22-24 25-26
 25-29 25-47 26-27 27-28 28-29 28-30 30-31 31-33 33-34 34-35 35-52
 36-37 36-47 37-38 38-39 39-41 41-42 42-43 42-44 43-46 44-45 45-46
 46-52

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom
 47:Atom 48:CLASS49:CLASS50:CLASS51:CLASS52:Atom 53:CLASS54:CLASS
 55:CLASS



chain nodes :

48 49 51 52 53 54

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
43 44 45 46 47 50

chain bonds :

6-52 17-51 23-48 30-54 41-53 48-49 49-50

ring bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24
12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
20-21 21-22 22-24 25-26 25-29 25-47 26-27 27-28 28-29 28-30 30-31
31-32 31-33 32-35 33-34 34-35 35-50 36-37 36-40 36-47 37-38 38-39
39-40 39-41 41-42 42-43 42-44 43-46 44-45 45-46 46-50

exact/norm bonds :

7-8 8-11 12-16 15-16 31-32 32-35 36-40 39-40

exact bonds :

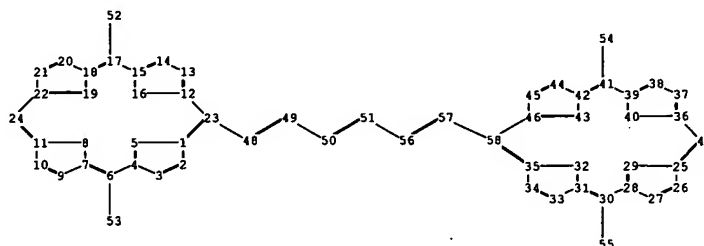
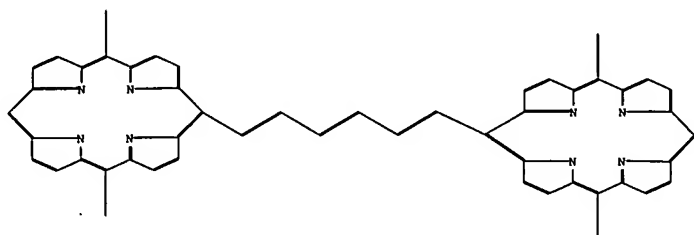
6-52 17-51 23-48 30-54 41-53 48-49 49-50

normalized bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-9 9-10 10-11 11-24 12-13 12-23
13-14 14-15 15-17 17-18 18-19 18-20 19-22 20-21 21-22 22-24 25-26
25-29 25-47 26-27 27-28 28-29 28-30 30-31 31-33 33-34 34-35 35-50
36-37 36-47 37-38 38-39 39-41 41-42 42-43 42-44 43-46 44-45 45-46
46-50

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom
47:Atom 48:CLASS 49:CLASS 50:Atom 51:CLASS 52:CLASS 53:CLASS 54:CLASS



chain nodes :

48 49 50 51 52 53 54 55 56 57

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
 43 44 45 46 47 58

chain bonds :

6-53 17-52 23-48 30-55 41-54 48-49 49-50 50-51 51-56 56-57 57-58

ring bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-8 7-9 8-11 9-10 10-11 11-24
 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
 20-21 21-22 22-24 25-26 25-29 25-47 26-27 27-28 28-29 28-30 30-31
 31-32 31-33 32-35 33-34 34-35 35-58 36-37 36-40 36-47 37-38 38-39
 39-40 39-41 41-42 42-43 42-44 43-46 44-45 45-46 46-58

exact/norm bonds :

7-8 8-11 12-16 15-16 31-32 32-35 36-40 39-40

exact bonds :

6-53 17-52 23-48 30-55 41-54 48-49 49-50 50-51 51-56 56-57 57-58

normalized bonds :

1-2 1-5 1-23 2-3 3-4 4-5 4-6 6-7 7-9 9-10 10-11 11-24 12-13 12-23
 13-14 14-15 15-17 17-18 18-19 18-20 19-22 20-21 21-22 22-24 25-26
 25-29 25-47 26-27 27-28 28-29 28-30 30-31 31-33 33-34 34-35 35-58
 36-37 36-47 37-38 38-39 39-41 41-42 42-43 42-44 43-46 44-45 45-46
 46-58

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom
 47:Atom 48:CLASS49:CLASS50:CLASS51:CLASS52:CLASS53:CLASS54:CLASS
 55:CLASS